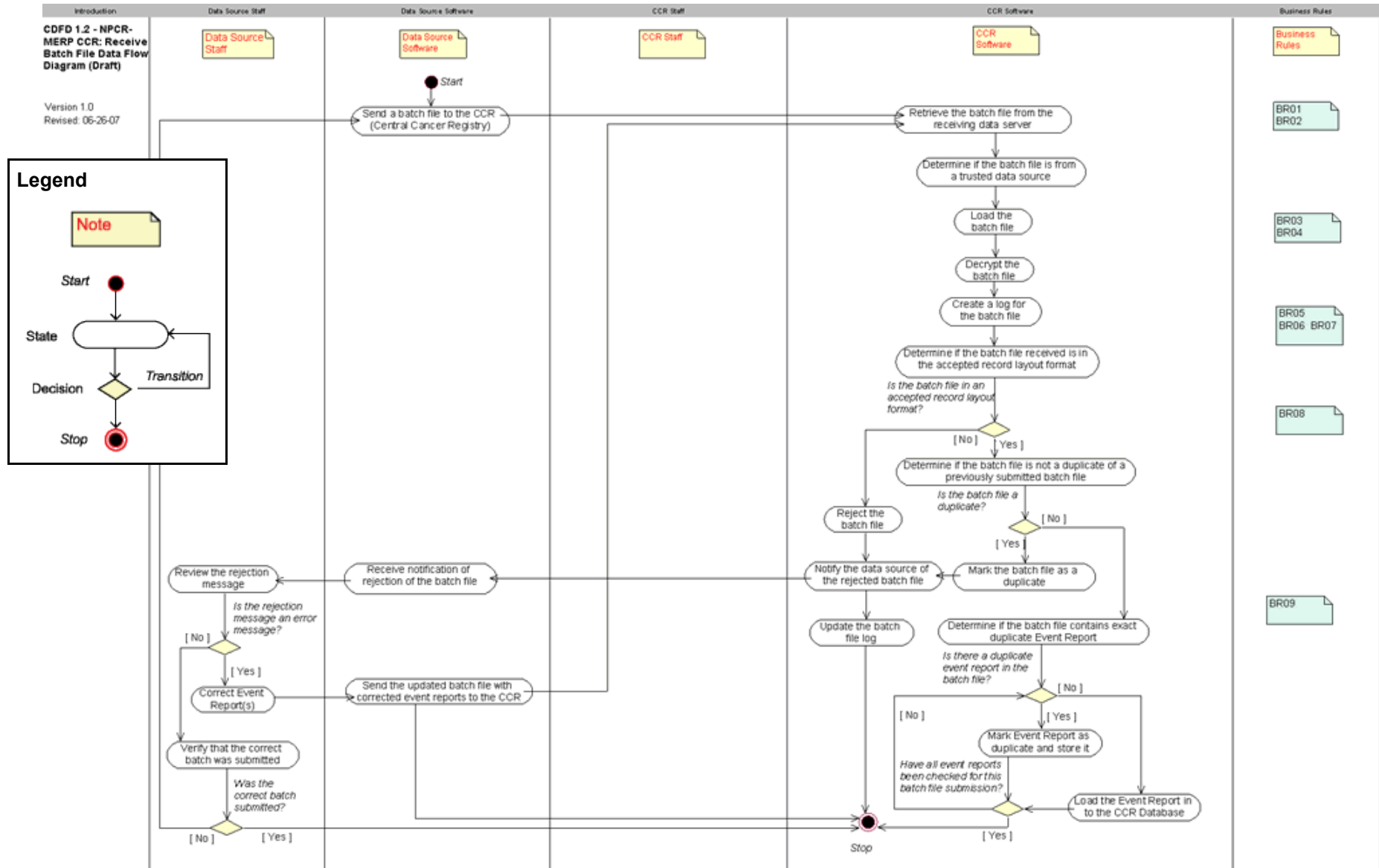# NPCR–MERP Central Cancer Registry Receive Batch File Data Flow Diagram

The central cancer registry (CCR) receive batch file data flow diagram shows the detailed procedural flow of control of the function.

There are four actors: the data source staff, data source software, central cancer registry (CCR) staff, and CCR software. The process starts when the data source software sends a batch file to the CCR. The CCR software retrieves the batch file from the receiving data server.

The CCR software determines if the batch file is from a trusted data source, loads the batch file, decrypts it, and creates a log for the batch file. It determines if the batch file received is in an accepted record layout format. If the batch file is not in an accepted record layout format, the CCR software rejects the batch file and notifies the data source of the rejection.

The data source software receives notification of the rejection of the batch file. The data source staff reviews the rejection message. If the rejection message is an error message, the data source staff corrects the event reports and sends an updated batch file to the CCR. If the rejection message is not an error message, the data source staff verifies that the correct batch file was submitted. If the correct batch file was not submitted, the data source software sends the correct batch file to the CCR. If the correct batch file was submitted, the process stops.

If the batch file is in an accepted record layout, the CCR software determines if the batch file is a duplicate. If it is a duplicate, the CCR software marks the file as a duplicate, notifies the data source, and updates the batch file log. If the batch file is not a duplicate, the CCR software determines if the batch file contains a duplicate event report. If it contains duplicate event reports, the CCR software marks the event report as a duplicate and stores it. If there are no duplicates, the CCR software loads the event report into the central cancer registry database.

Business Rules (BR)

For details of the business rules and software requirements, please refer to the CCR Receive Batch File Use Case.

- BR01 and BR02 apply to receiving batch files from a trusted data source.
- BR03 and BR04 apply to creating logs for the received batch file.
- BR05, BR06, and BR07 apply to determining the record layout format of the received batch file.
- BR08 applies to determining duplicate batch file.
- BR09 applies to determining if there are duplicate event reports in the batch file.

Software Requirements (SR)

- SR01, SR02, and SR03 apply to creation and auto-population of a new cancer abstract with event reports in the ToBeAbstracted table.
- SR04, SR05, SR06, and SR07 apply to determining whether more than one new abstract is required.
- SR08 applies to determining the completeness and setting status flag and timestamp for event reports.
- SR09 applies to electronic filing of documents.
- SR10 applies to determining reportability of event report.